

Additions to the list of aphids (Homoptera: Aphididae) from India and adjacent countries¹

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This paper presents an additional list of 311 species under 123 genera of aphids known from India and adjacent countries namely Pakistan, Nepal, Sikkim and Bhutan and provides notes on their host plants, first reference, and distribution in the region. The genera (22) and species (208) of aphids originally described from the region are also indicated. Relevant references are provided. Total number of genera and species so far known from the area now stand at 198 and 653 respectively.

INTRODUCTION

Ghosh (1974c) recorded 344 species under 142 genera of aphids, known till 1968, from Indian subcontinent. Since then 311 more species have either been described or recorded from the region under 123 genera, of which 57 genera were already known. Considering two synonyms from the earlier list (79 & 312) the total number of species so far known, comes to 653 under 198 genera. In the present list, no species has been recorded from Sri Lanka. However a number of species have been recorded from Nepal, Sikkim, Bhutan and Pakistan and a list for each of these being given below. Out of these, some are known only from one of the above areas and are denoted by abbreviations namely Bh—Bhutan, N—Nepal, P—Pakistan, S—Sikkim; the ones which are known in one or more adjacent countries in addition to India are denoted by

the same abbreviations prefixed by (+); if there is no such abbreviation, the species is then known only from India. References in the parentheses relate to the first record. The genera (22) and the species (208) described as new from this geographical area have been marked (**) and (*) respectively.

Taxonomic status of some of the species recorded earlier (Ghosh, op cit.) have now been changed. Following the serial numbers of the first list, these are:

No. 16. *Aphidura* sp., now described as *Aphidura bharatia*, David, Sekhon, Bindra.

No. 57. *Betacallis odaiensis* Takahashi, should be *Betacallis querciphaga* Basu, Ghosh Raychaudhuri.

No. 79. *Capitophorus vernoniae* Ghosh is now considered as a synonym of *Subovatomyzus leucosceptri* Basu (No. 324).

No. 114. *Cinara* sp. near *schimitscheki* Börner, has now been described as *Cinara atro-tibialis* David and Rajasingh.

No. 247. *Myzocallis bambusifoliae* Takah-

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ashi, is now considered as a synonym of *Ta-
kcallis arundinariae* Essig.

No. 276. *Pemphigus lichtensteni* Tull. is now considered as a synonym of *P. immunis* Buckton.

No. 312. *Schoutedenia bougaivillae* (Theo.) is now considered as a synonym of *S. lutea* (v.d. Goot) (No. 313).

No. 326. *Tetraneura heterohirsuta* Carver & Basu is now considered as a synonym of *T. radicicola* Strand.

No. 336. *Tricaudatas polygoni tuberculatus* H.R.L. & Basu is now considered as a synonym of *Tricaudatas polygoni* Nariz.

No. 341. *Unipterus* sp. has now been described as *Unipterus* (*Paoliella*) *nirmalae* David.

Further records from Nepal:

Since publication of last list (Ghosh 1974), Sharma (1968), Chakrabarti & Raychaudhuri (1971) and Ghosh, Basu & Raychaudhuri (1973) recorded 52 species from Nepal, of which 47 are also known from India; following the serial nos. of the earlier list and also the present list these are:

3, 19, 22, 24, 30, 31, 34, 36, 53, 58, 63, 90, 120, 124, 141, 149, 150, 161, 169, 171, 191, 194, 201, 204, 213, 220, 222, 223, 228, 231, 255, 256, 266, 279, 281, 299, 301, 303, 307, 313, 316, 328, 333, 335, 389, 468, 506, and the rest denoted by serial nos. 369, 375, 395, 571, 618, are known only from Nepal.

Further records from Sikkim:

Since publication of last list (Ghosh, op. cit.), Ghosh M. R., Ghosh A. K., Raychaudhuri (1971, 1971a), Ghosh, Banerjee, Raychaudhuri (1971), Raychaudhuri & Chatterjee (1974) recorded 65 species from Sikkim of which 56 species are also known from India and or other areas; following the serial numbers of the earlier list and the present list, these are:

9, 10, 19, 27, 30, 51, 62, 73, 78, 124, 141, 149, 160, 171, 187, 203, 210, 222, 230, 240, 243, 247, 279, 291, 292, 300, 312, 324, 336, 354, 366, 367, 374, 376, 377, 379, 408, 430, 436, 467, 471, 475, 476, 480, 481, 488, 506, 507, 546, 577, 580, 593, 617, 636, 648, 651 and the rest denoted by serial numbers 361, 385, 388, 479, 481, 547, 584, 589, 616 are known only from Sikkim.

Records of aphid-species from Bhutan:

In the earlier list, which covers the period upto 1968, (Ghosh, op. cit.) no aphid species was listed from Bhutan. Since then Ghosh *et al.* (1971) and Ghosh, L. K. (1972) recorded 24 species from the region, of which 15 are known from other regions of the subcontinent; following the serial numbers of the earlier and the present lists these are:

2, 3, 58, 74, 119, 191, 200, 201, 212, 227, 247, 256, 333, 529, 643, and the rest denoted by serial numbers 346, 361, 400, 511, 517, 570, 603, 615, 652 are known only from Bhutan.

Further records from Pakistan:

Three species namely 594, 604, 619 have been listed in the present list from Pakistan of which two namely 594, 604 are known only from Pakistan.

PART III

(The serial numbers of the present list has been continued from earlier list; since 79, 312 have now been synonymised with nos. 324, & 313, the present list starts from 343 instead of 345).

343** *Acutosiphon obliquoris* Basu, Ghosh, Raychaudhuri, *Carex* spp., (Basu *et al.* 1970).

344 *Acyrtosiphon gossypii* Mordv., *Sophora tomentosa* (Verma & Singh 1975).

345 *A. kondoi* Shinji & Kondo, *Medicago sativa* (David & Ghorpade 1974).

- 346 *A. pelargonii* (Kltb.), Host plant unidentified (Ghosh *et al.* 1971b).
- 347 *A. phaseoli* Chakrabarti, Ghosh, Raychaudhuri, *Phaseolus* sp. (Chakrabarti *et al.* 1971a).
- 348 *A. soldatovi*? Mordv., Host plant unidentified (David *et al.* 1969).
- 349* *A. spiraeae canescentis* Chakrabarti & Raychaudhuri, *Sipraea canescens* (Ghosh *et al.* 1969a, as *A. spiraeae* n. sp., Chakrabarti & Raychaudhuri 1974).
- 350* *A. (Metopolophium) chandrani* David & Narayanan, *Bromus uniloides*, *Poa annua* (David & Narayanan 1968).
- 351* *A. (Metopolophium) darjeelingensis* L. K. Ghosh, *Hypericum* sp., (Ghosh, L. K. 1970b).
- 352 *A. (Metopolophium) euryae* (Takahashi), *Eurya japonica* (Ghosh 1974a).
- 353* *A. (Metopolophium) simaensis* Chakrabarti & Raychaudhuri, Host plant unidentified (Chakrabarti *et al.* 1974).
- 354 *A. (Micropophium) rubiformosanus* (Takahashi), *Rubus ellipticus*, *Rubus rosaefolia* (Ghosh *et al.* 1971d).
- 355* *Aiceona longisetosa* Ghosh & Raychaudhuri, Host Plant unidentified (Ghosh M. R. & Raychaudhuri 1973).
- 356* *A. pallida* Ghosh & Raychoudhuri, Host plant unidentified (Ghosh & Raychaudhuri 1972a).
- 357* *A. paraosugii* Ghosh, Ghosh, Raychaudhuri, Host plant unidentified (Ghosh *et al.* 1971d).
- 358* *A. pseudosugii* David, Sekhon, Bindra, *Machilus odoratissima* (David *et al.* 1970c).
- 359* *A. retipennis* David, Narayanan, Rajasingh, Host plant unidentified (David *et al.* 1970).
- 360* *A. robustisetosa* Ghosh & Raychaudhuri, *Litsaea polyantha* (Ghosh M. R. & Raychaudhuri 1973).
- 361* *Akkaia bhutanica* L. K. Ghosh, Host plant unidentified, (L. K. Ghosh 1972b).
- 362* *A. neopolygona* Ghosh, Ghosh, Raychaudhuri, *Polygonum* sp. (Ghosh, M. R. *et al.* 1970).
- 363* *Allotrichosiphum assamense* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Quercus dealbata* (Ghosh *et al.* 1971 as *A. kashicola*; Raychaudhuri *et al.* 1973).
- 364* *Amphiceridus tuberculatus* David, Narayanan, Rajasingh, Host plant unidentified (David *et al.* 1970).
- 365** *Anocaudus taxus* Ghosh, Chakrabarti, Chowdhuri, Raychaudhuri, *Taxus baccata* (Ghosh *et al.* 1969a).
- 366 *Anomalosiphum indigoferae* Ghosh, Ghosh, Raychaudhuri, *Indigofera* sp., (Ghosh M. R. *et al.* 1970 as *A. pithecolobi* Ghosh *et al.* 1971a).
- 367** *Anthracosiphoniella maculatum* Basu, *Asplenium esculantum*, *Dryopteris mollis*, *Athyrium* sp., (Basu 1969a).
- 368 *Aphis affinis* del Guercio, *Mentha viridis*, *Mentha sylvestris* (David & Ghorpade 1974).
- 369 *A. euphorbiae* Thomas, *Euphorbia hercta* (Chakrabarti & Raychaudhuri 1972).
- 370* *A. leptorhynchus* David, Sekhon, Bindra, *Cyathula tomentosa* (David *et al.* 1970a).
- 371 *A. polygonaceae* Matsumura, *Rumex acetosella* (Chowdhuri *et al.* 1969).
- 372* *A. rhamniphila* David, Narayanan, Rajasingh, *Urtica* sp. (David *et al.* 1971a).
- 373 *A. rhoicola* Hille Ris Lambers, *Rumex* sp., (David *et al.* 1971).
- 374* *A. ruborum longisetosus* Basu, *Rubus ellipticus*, *Rubus lineatus* (Basu 1969).

- 375 *Astegopteryx* sp., *Bambusa* sp., (Sharma 1968). N
- 376* *Aulacorthum dasi* Ghosh, Basu, Raychaudhuri, plant of compositae (Ghosh et al. 1970). +S
- 377 *A. magnoliae* (Essig & Kuwana), *Cucurbita moschata*, *cucurbita pepo*, *Luffa acutangula* (Basu 1969). +S
- 378 *A. nipponicum* (Essig & Kuwana), *Paederia foetida* (Basu 1969).
- 379* *A. rhamni* Ghosh, Ghosh, Raychaudhuri, *Callistemon linearis*, *Eurya* sp., *Rhamnus nepalensis* (Ghosh, M. R. et al. 1970) +S
- 380 *A. scripi* v.d. Goot., *Scleria cochiniensis*, *Scleria alata*, (David et al. 1969).
- 381* *A. sensoriatus* David, Narayanan, Rajasingh, Host plant unidentified creeper (David et al. 1970).
- 382** *A. (Anaulacorthum) fagopyri* Ghosh & Raychaudhuri, *Fagopyram cymosum* (Ghosh & Raychaudhuri 1972a).
- 383 *A. (Neomyzus) anthraxoni* (Takahashi), unidentified grass (Basu 1969).
- 384* *A. (Neomyzus) dendrobii* Basu, *Dendrobium* sp., (Basu 1969a).
- 385 *A. (Neomyzus) primulum* Ghosh, Banerjee, Raychaudhuri, *Primula* sp., (Ghosh et al. 1971a). S
- 386 *A. (Perillaphis) perillae* (Shinji), *Perilla frutescens*, *Perilla oscimoides* (Basu 1969).
- 387* *Betcallis prunicola* Basu, Ghosh, Raychaudhuri, *Prunus cerasus* (Basu et al., In press).
- 388* *B. sikkimensis* Basu, Ghosh, Raychaudhuri, *Quercus* sp., (Basu et al. 1974) S
- 389 *Brachycaudus persicicola* (Bois.), *Ageratum conyzoides*, *Crataeja religiosa* and unidentified host. (Sharma 1968). +N
- 390 *B. (Thuleaphis)? amygdalis* (Schouteden), *Fagopyrum cymosum* (Chakrabarti et al. 1972).
- 391** *Brevitrichosiphon mukerjii* Raychaudhuri, Ghosh, Banerjee, Ghosh, Host plant unidentified (Raychaudhuri et al. 1973).
- 392* *Calaphis hetulaphoides* Quednau, *Betula* sp., (S. Chakrabarti, in litt.)
- 393 *Calaphis* sp., *Alnus nepalensis* (Basu 1969).
- 394 *C. juglandis* (Goetze), *Juglans regia* (Chakrabarti et al. 1972).
- 395* *C. nepalensis* Quednau, *Juglans regia* (Quednau 1973). N
- 396 *Capitophorus archangelskii* Nevsky, *Artemisia vulgaris* (Ghosh et al. 1970d).
- 397* *C. himalayensis* Ghosh, Ghosh, Raychaudhuri, Host plant unidentified (Ghosh et al. 1971d).
- 398* *C. indicus* Ghosh, Ghosh, Raychaudhuri, *Litsaea* sp., (Ghosh et al. 1970d).
- 399* *C. polygoni* Ghosh, Ghosh, Raychaudhuri, *Polygonum* sp., (Ghosh et al. 1971d).
- 400* *Casimira bhutanensis* Ghosh, Basu, Raychaudhuri, Host plant unidentified (Ghosh et al. 1971d). Bh
- 401* *Cavariella biswasi* Ghosh, Basu, Raychaudhuri, *Salix* sp., (Ghosh et al. 1969).
- 402* *C. simlaensis* Chaudhuri, Basu, Raychaudhuri, *Sanicula europea* (Chowdhuri et al. 1969a).
- 403 *Cerataphis orchidearum* (Westwood), *Aerides feildeingii* (Basu 1969).
- 404* *Ceratoglyphina bambusae bengalensis* L. K. Ghosh, *Bambusa* sp., (L. K. Ghosh 1972c).
- 405* *Ceratovacuna indica* Ghosh, Pal, Raychaudhuri, *Bambusa* sp., (Ghosh, M. R. et al., In press).

- 406 *C. graminum* v.d. Goot., Grass (Ghosh et al. 1970 as *Ceratovacuna* sp. B.).
- 407* *C. perglandulosa* Basu, Ghosh, Raychaudhuri *Gressum prothama*, *Saccharum officinarum* (Basu et al. in press).
- 408* *C. silvestrii* (Takahashi), *Bambusa* sp., (Hille Ris Lambers & Basu 1966 as *Oregma subglandulosa* sp., Ghosh 1973). + S
- 409* *C. spinulosa* Ghosh & Raychaudhuri, *Ischemum albens* (Ghosh & Raychaudhuri 1972a).
- 410 *Cervaphis cambodiensis* Takahashi, *Amoora* sp., *Mixacos penniculata*, *Pterospermum* sp., (Ghosh, Banerjee, Raychaudhuri 1971).
- 411 *C. quercus* Takahashi, *Quercus griffithi* (Raychaudhuri PL. 480 Tech. Rept. 1974).
- 412* *Chaetosiphon chaetosiphon indica* Chakrabarti & Ghosh, *Rosa* sp., (Chakrabarti & Ghosh 1970; David et al. 1970 recorded the nominate species *Chaetosiphon chaetosiphon* but perhaps that record would refer to the present subspecies).
- 413* *C. glaber* David, Rajasingh, Narayanan, *Rosa macrophylla* (David et al. 1970a).
- 414* *C. gracilicornis* David, Rajasingh, Narayanan, *Rosa macrophylla* (David et al. 1970a).
- 415 *C. tetrahoda* (Walker), *Rosa* sp., (David et al. 1970a).
- 416 *C. (Pentatrachopus) heterotrichus*, Chakrabarti, Ghosh, Raychaudhuri, *Salvia* sp., (Chakrabarti et al. 1971a).
- 417 *Chaitophorus dorocola* Mats., *Populus* sp., (Chakrabarti, S., in litt.).
- 418 *C.? populialbae* (Bayer), vagrant on *Solanum* sp., (David et al. 1971).
- 419 *C. popyleti* Panzer, *Populus alba* (Verma 1969).
- 420* *C. simlaensis* Chakrabarti, Host plant unidentified, (Chakrabarti, S., in litt.).
- 421* *Chromaphis hirsutustibis* Kumar & Lavinge, *Juglans regia* (Kumar & Lavinge 1970; Sharma 1968 as *Chromaphis* sp., from Nepal). + N
- 422 *Chuansicallis chengtuenensis* Tao, *Phyllanthus* sp., (A. K. Ghosh Coll.).
- 423 *Cinara* sp., *Picea morinda* (Chowdhuri et al. 1969).
- 424* *C. abieticola tenuipes* Chakrabarti & Ghosh, ? *Abies* sp., (Chakrabarti et al. 1974).
- 425* *C. (Lachniella) atroalbipes* David, Narayan, Rajasingh, *Pinus* sp., (David et al. 1970).
- 426* *Clethrobis dryobius* Chakrabarti & Raychaudhuri, *Prunus cerasus*, (Ghosh, Basu, Raychaudhuri 1970 as *comes*; Chakrabarti, S., in litt.).
- 427* *Cranaphis indica* Chakrabarti & Raychaudhuri, *Arundinaria* sp., (Chakrabarti, S., in litt.).
- 428* *Cryptaphis rostrata* Chakrabarti & Ghosh, plant of Labiatae (Chakrabarti et al. 1974).
- 429 *Cryptomyzus taoi indica* Ghosh & Raychaudhuri, *Leoneuras sibiricus*, *Leucas aspera* (Ghosh & Raychaudhuri 1972).
- 430* *Cryptosiphum artemisiae*, Buckton, *Artemisia vulgaris* (Basu 1969) + S
- 431* *Dactynotus brachysiphon* Verma, *Prenanthes* sp., (Verma 1969).
- 432* *D. fagopyri* Chowdhuri, Basu, Chakrabarti, Raychaudhuri, *Fagopyrum cymosum* (Chowdhuri et al. 1969).
- 433* *D. formosanus crepidis* Ghosh, Ghosh, Raychaudhuri, *Crepis japonica* (Ghosh et al. 1971b).
- 434* *D. kumaoni* Banerjee, Ghosh, Raychaudhuri, *Cnicus argyracanthus*, *Tri-*

- cholepis furcata (Banerjee *et al.* 1969).
 435* *D. simlaensis* Chakrabarti, Ghosh, Raychaudhuri, *Erigeron* sp., (Chakrabarti *et al.* 1974d).
 436* *D. tanacetii indica* L. K. Ghosh, plant of compositae. (L. K. Ghosh 1971, earlier Ghosh *et al.* 1970, recorded as *D. tanceti*). + S
 437 *Doraphis? populi* Maskell, *Populus* sp., (David *et al.* 1971).
 438* *Dysaphis atinus* Ghosh, Basu, Raychaudhuri, *Cnicus wallichii* (Ghosh *et al.* 1969).
 439 *D. longipilosa?* (Mordv.), Host plant unidentified (David *et al.* 1969).
 440* *D. multisetosa* Basu, *Pyrus communis* (Basu 1969a).
 441** *Eoessigia indica* David, Rajasingh, Narayanan, Host plant unidentified (David *et al.* 1972).
 442* *Eomyzus levipes* Basu & Raychaudhuri, *Eupatorium odoratum* (Basu & Raychaudhuri 1974).
 443 *Eulachnus cembrae* Börner, *Pinus* sp., (L. K. Ghosh 1970a).
 444 *E.? rielyi* (Williams), *Pinus* sp., (David & Rajasingh 1969).
 445* *Eumyzus darjeelingensis* Basu & Raychaudhuri, *Hydrangea paniculata* (Basu & Raychaudhuri 1974).
 446* *Euthoracaphis heterohirsuta* Ghosh & Raychaudhuri, Host plant unidentified (Ghosh & Raychaudhuri 1973).
 447* *E. longisetosa* Ghosh & Raychaudhuri, *Senecio* sp., (Ghosh & Raychaudhuri 1973).
 448* *Eutrichosiphum arunachalii* Basu, Ghosh, Raychaudhuri, *Quercus* sp., (Basu *et al.* 1972b).
 449* *E. assamense* Ghosh, Basu, Raychaudhuri *Quercus fenestrata* (Ghosh *et al.* 1969).
 450 *E. lithocarpi* Maki, *Quercus montana*, *Quercus coccinea*, *Quercus serrata* (David 1956).
 451* *E. makii* Raychaudhuri & Chatterjee, *Glochidion* sp., (Raychaudhuri & Chatterjee 1974).
 452 *E. pseudopasaniae* Szel. *Ficus* sp., *Glochidion* sp., *Quercus dealbata*, *Quercus* sp., (Ghosh, Banerjee, Raychaudhuri 1971).
 453* *E. pyri* Chakrabarti, Ghosh, Raychaudhuri, *Pyrus communis* (Chakrabarti *et al.* 1972).
 454* *E. pasaniae sankarii* Raychaudhuri, Ghosh, Banerjee, Ghosh, Host plant unidentified (Raychaudhuri *et al.* 1973).
 455 *E. quercifoliae* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Quercus* sp., (Raychaudhuri *et al.* 1973).
 456 *E. sinense* Raychaudhuri, *Pterospermum* sp., *Randia* sp., (Raychaudhuri, PL 480 Tech. Rept., 1974).
 457* *E. takahashii* Basu, Ghosh, Raychaudhuri, *Glochidion* sp., (Basu *et al.*, in press).
 458 *Eutrichosiphum* (*Neotrichosiphum*) sp., *A. Glochidion* sp. (Raychaudhuri & Chatterjee 1974).
 459* *E. (Neotrichosiphum) subinoyi* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Pterospermum* sp., (Raychaudhuri *et al.* 1973 as under *Eutrichosiphum*; Raychaudhuri & Chatterjee 1974).
 460 *Geoica* sp., Grass (Raychaudhuri, PL 480 Tech. Rept., 1974).
 461 *Glyphina onigurumi* (Shinji), *Atriplex* sp., (Raychaudhuri PL 480 Tech. Rept., 1974).
 462* *Greenidea aborensis* Ghosh, Plant of Meliaceae (Ghosh 1974a).
 463 *G. decaspermii* Takahashi, *Psidium*

- guajava (David *et al.* 1969).
- 464 *G. euginae* Takahashi, *Eugenia tetrago* (Ghosh *et al.* 1970).
- 466* *G. himansui* Raychaudhuri, Ghosh, dhuri, Host plant unidentified (Ghosh *et al.* 1970d).
- 466* *G. humansui* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Randia* sp., (Raychaudhuri *et al.* 1973).
- 467* *G. longicornis* Ghosh, Ghosh, Raychaudhuri, *Engelhardtia* sp., *Senecio scandens* (Ghosh M. R. *et al.* 1970). + S
- 468* *G. longirostris* Basu, *Schima wallichii*, *Quercus* sp., (Basu 1969). + N
- 469* *G. photiniphaga* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Photinia* sp., (Raychaudhuri *et al.* 1973).
- 470 *G. sinensis* Raychaudhuri, *Litchi sinensis* (Raychaudhuri, PL 480 Tech. Rept., 1974).
- 471* *G. symplacosis* Ghosh, Basu, Raychaudhuri, *Symplocos lauriana* (Ghosh *et al.* 1969).
- 472** *G. (Neogreenidea) ayyari* Raychaudhuri, Ghosh, Banerjee, Ghosh, Host plant unidentified (Raychaudhuri *et al.* 1973).
- 473* *G. (Neogreenidea) longisetosa* Raychaudhuri, Ghosh, Banerjee, Ghosh, Host plant unidentified (Raychaudhuri *et al.* 1973).
- 474* *G. (Neogreenidea) querciphaga* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Quercus* sp., (Raychaudhuri *et al.* 1973).
- 475* *G. (Trichosiphum) bucktonis*, Ghosh, Basu, Raychaudhuri, *Duabanga sonnarotoides*, *Villebrunia integrifolia*, (Ghosh *et al.* 1970) + S
- 476* *G. (Trichosiphum) formosana heeri* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Duabanga sonnarotoides*, *Engelhardtia jambolina*, *Engelhardtia spicata* (Raychaudhuri *et al.* 1973 as *G.(T.) heeri*). + S
- 477* *G. (Trichosiphum) gigantea* Ghosh & Raychaudhuri, Host plant unidentified (Ghosh & Raychaudhuri 1972a).
- 478* *G. (Trichosiphum) manii* Ghosh, Basu, Raychaudhuri, Host plant unidentified (Ghosh *et al.* 1970).
- 479* *G. (Trichosiphum) prunicola* Ghosh, Banerjee, Raychaudhuri, *Prunus* sp., (Ghosh *et al.* 1971a). S
- 480* *G. (Trichosiphum) schoutedeni* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Duabanga sonnarotoides* (Raychaudhuri *et al.* 1973). + S
- 481* *G. (Trichosiphum) sikkimensis* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Quercus* sp., (Raychaudhuri *et al.* 1973). S
- 482* *Greenideoida (Paragreenideoida) ceyloniae bhalukpongensis* Ghosh, Banerjee, Raychaudhuri, *Uvaria* sp., (Ghosh *et al.* 1971).
- 483 *G. noonadanae* Heie, *Premora* sp., (Raychaudhuri PL 480 Tech. Rept., 1974).
- 484** *Hemipodaphis monstrata* David, Narayanan, Rajasingh, ? Plant of Liliaceae (David *et al.* 1971a).
- 485** *Himalayaphis anemones* Ghosh & Verma, *Anemone* sp., (Ghosh & Verma 1973).
- 486* *Holotrichosiphon russellae* Ghosh, Ghosh, Raychaudhuri, *Quercus dealbata*, *Quercus* sp., (Ghosh *et al.* 1971c).
- 487* *Hoplocallis microsetosus* Quednau & Chakrabarti, *Quercus incana* (Chakrabarti, S., in litt.).
- 488* *Hyalomyzus raoi* Hille Ris Lambers, *Rubus* sp., (Basu 1969 as *Hyalomyzus* sp., Hille Ris Lambers 1973). + S

- 489* *H. scrabipes* David & Narayanan, plant of compositae (David & Narayanan 1969).
- 490 *H. sensorius* (Masen), Host plant unidentified (Ghosh *et al.* 1971d).
- 491 *Impatiens ? asiaticum* Nevskii, Host plant unidentified (David *et al.* 1971).
- 492 *I. impatiensae dalhousiensis* Verma, *Smilax parviflora* (Verma 1969a).
- 493** *Indiaphis crassicornis* Basu, *Rhododendron* sp., (Basu 1969a).
- 494* *I. rostrata* Ghosh & Raychaudhuri, *Rhododendron* sp., (Ghosh & Raychaudhuri 1972a).
- 495** *Indocinara hottensis* Ghosh, Basu, Raychaudhuri, *Plectranthus coetsa* (Ghosh *et al.* 1969).
- 496** *Indoidiopterus geranii* (Chowdhuri, Basu, Chakrabarti, Raychaudhuri), *Geranium* sp., (Chowdhuri *et al.* 1969a as *Capitophorus geranii*; Chakrabarti *et al.* 1972).
- 497** *Indomyzus sensorius* Ghosh, Ghosh, Raychaudhuri, Host plant unidentified (Ghosh *et al.* 1971d).
- 498** *Indonipponaphis tuberculata* Ghosh & Raychaudhuri, *Quercus dealbata* (Ghosh & Raychaudhuri 1973).
- 499 *Jacksonia papillata* Theobald, Grass (L. K. Ghosh 1972).
- 500* *Kaburagia ailanthi* Chowdhuri, Basu, Chakrabarti, Raychaudhuri, *Ailanthus* sp., (Chowdhuri *et al.* 1969).
- 501* *Lachnus acutihirsutus* Kumar & Burkhardt, *Quercus incana* (Kumar & Burkhardt 1970).
- 502** *Longirostris raji* Kumar & Burkhardt, *Salvia* sp., (Kumar & Burkhardt 1970).
- 503 *Machilaphis machili* Takahashi, *Machilus odoratissima* (Ghosh *et al.* 1970).
- 504* *Macromyzus indicus* David & Narayanan, unidentified weed (David & Narayanan 1969).
- 505 *M. polypodicola* (Takahashi), *Asplenium esculantum* (Ghosh *et al.* 1970d).
- 506 *M. woodwardiae* (Takahashi), *Asplenium esculantum*, *Athyrium* sp., (Ghosh *et al.* 1970d). + S + N
- 507* *Macrosiphoniella hikosanensis matsu-murana* Ghosh, Basu, Raychaudhuri, *Artemisia vulgaris* (Ghosh *et al.* 1970 as *M. matsumurana*). + S
- 508* *M. lambersi* Verma, *Artemisia scoparia* (Verma 1969).
- 509* *M. spinipes rhododendri*, Ghosh, Basu, Raychaudhuri, *Rhododendron arboreum* (Ghosh *et al.* 1969).
- 510* *M. sudhakar* Banerjee, Ghosh, Raychaudhuri, *Achellia millefolium* (Banerjee *et al.* 1969).
- 511 *Macrosiphoniella* sp., Host plant unidentified, (Ghosh, L. K. 1972b). Bh
- 512* *Macrosiphum aulacorthoides* David, Narayanan, Rajasingh, Host plant unidentified (David *et al.* 1970).
- 513* *M. fagopyri* Ghosh & Raychaudhuri, *Fagopyrum* sp., (Ghosh & Raychaudhuri 1972).
- 514* *M. pseudogeranii* (Chowdhuri, Basu, Chakrabarti, Raychaudhuri), *Geranium lucidum* (Chowdhuri *et al.* 1969 as *M. geranii*).
- 515 *M. smilacifoliae* Takahashi, *Smilax ferox*, *Photinia* sp., (Basu *et al.* 1974).
- 516* *M. spinotibium* Ghosh, Ghosh, Raychaudhuri, Host plant unidentified (Ghosh M. R. *et al.* 1970).
- 517 *Macrosiphum* sp., Host plant unidentified (Ghosh, L. K. 1972b). Bh
- 518* *Macrosiphum (Sitobion) microspinulatum* David, Rajasingh, Narayanan, *Arthraxon lancifolius* (David *et al.* 1972).

- 519* *M. (Sitobion) plectranthi* Ghosh, Raychaudhuri, *Plectranthus coetsa* (Ghosh, M. R. et al. 1970).
- 520* *M. (Sitobion) pseudoluteum* Ghosh, *Mandevilla* sp., *Cymbidium eburnum* (Ghosh 1969).
- 521* *M. (Sitobion) scrabipes* L. K. Ghosh, *Triticum* sp., (Ghosh, L. K. 1972a).
- 522* *Maculolachnus rubi* Ghosh & Raychaudhuri, *Rubus* sp., (Ghosh & Raychaudhuri 1972a).
- 523 *Maculolachnus submaculata* (Walker), *Rosa* sp., (David et al. 1969).
- 524* *M. (Neomasonaphis) inulae* Ghosh & Raychaudhuri, *Inula cappa*, *Rhododendron* sp., (Ghosh & Raychaudhuri 1972).
- 525* *Matsumuraja indica* Ghosh, Ghosh, Raychaudhuri, *Rubus* sp., (Ghosh et al. 1971c).
- 526 *M. nuditerga* Hille Ris Lambers, Host plant unidentified (Ghosh & Raychaudhuri 1972a).
- 527 *M. rubifoliae* Takashashi, Host plant unidentified (Ghosh et al. 1971c).
- 528* *M. urticae* Ghosh, Ghosh, Raychaudhuri, plant of urticaceae (Ghosh et al. 1971c).
- 529* *Megoura cajanae* Ghosh, Ghosh, Raychaudhuri, *Cajanas cajan* (Ghosh M. R. et al. 1970, Syn. *M. abnormis* L. K. Ghosh 1970). + Bh
- 530* *M. pallipes* Basu, *Indigofera teysmanni* (Basu 1969).
- 531* *Megouroparsus dooarsis* Ghosh & Raychaudhuri, plant of leguminosae (Ghosh & Raychaudhuri 1969a).
- 532 *Melanaphis arundinariae* (Takahashi), Bamboo (Ghosh et al. 1970).
- 533* *M. meghalayensis* Raychaudhuri & Banerjee, Bamboo (Raychaudhuri & Banerjee 1974).
- 534* *M. meghalayensis bengalensis* Raychaudhuri & Banerjee, Grass (Raychaudhuri & Banerjee 1974).
- 535* *M. vanderhooti* Raychaudhuri & Banerjee, *Oryza sativa* (Raychaudhuri & Banerjee 1974).
- 536* *Mesocallis alnicola* Ghosh, *Alnus nepalensis* (Ghosh 1974b).
- 537* *M. obtusirostris* Ghosh, *Alnus nepalensis* (Ghosh 1974b).
- 538* *Metanipponaphis assamensis* Ghosh & Raychaudhuri, *Castanopsis tribuloides* (Ghosh & Raychaudhuri, 1973; Ghosh et al. 1970 as *Metanipponaphis* sp.)
- 539* *M. echinata* Ghosh, *Castanopsis histrix* (Ghosh 1974).
- 540 *M. silvestrii* (Takahashi), *Lindera* sp., (Ghosh 1974b).
- 541* *Micromyzus granotiae* Ghosh, Ghosh, Raychaudhuri, *Granotia* sp., (Ghosh et al. 1970d).
- 542* *M. mawphlongensis* Ghosh, *Polypodium* sp., (Ghosh 1974a).
- 543 *M. montanus* (Takahashi), *Astilbe rivularis* David et al. 1969 as *Taiwanomyzus*, (Ghosh M. R. et al. 1970).
- 544* *Micromyzodium strobilantheri* L. K. Ghosh, *Strobilanthes dalhousiensis* (L. K. Ghosh 1970).
- 545 *Mindarus abietinus* Koch, *Abies* sp., (Ghosh 1974b).
- 546* *Mollitrichosiphum (Metatrichosiphon) alni* Ghosh, Ghosh, Raychaudhuri, *Alnus nepalensis* (Ghosh et al. 1970d).
- 547* *M. (Metatrichosiphon) buddleiae* Ghosh, Banerjee, Raychaudhuri, *Buddleia* sp., (Ghosh et al. 1971a).
- 548* *M. (Metatrichosiphon) kazirangi* Ghosh, Host plant unidentified (Ghosh 1974a).
- 549* *M. (Metatrichosiphon) rhusae* Ghosh, *Rhus* sp., (Ghosh 1974a).

- 550* *M. (Metrichosiphon) shinjii* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Quercus* sp., (Raychaudhuri *et al.* 1973).
- 551 *M. (Metatrichosiphon) taiwanus* (Tak.), *Rhus* sp., (Raychaudhuri, PL 480 Tech. Rept. 1974).
- 552* *Myzaphis avriliosa* David, Rajasingh, Narayanan, *Rosa macrophylla* (David *et al.* 1970a).
- 553 *M. turanica* Nevskii; *Rosa* sp., (L. K. Ghosh 1969).
- 554* *Myzocallis (Dryomyzus) polychaetus* David, *Quercus semicarpifolia* (David 1969).
- 555 *Myzocallis* sp., *Prunus* sp., (Sharma 1968, may be *Tinocalloides montanus* Basu). N
- 556* *Myzus brevisiphon* Basu, *Polygonum capitatum* (Basu 1969a).
- 557* *M. corylopsis* n. sp., *Corylopsis* sp., (Raychaudhuri PL 480 Tech. Rept. 1974).
- 558* *M. filicis* Basu, Fern (Basu 1969a).
- 559* *M. indicus* Basu & Raychaudhuri, *Boehmeria* sp., (Basu & Raychaudhuri 1976).
- 560* *M. lefroyi* Basu & Raychaudhuri, Fern (Basu & Raychaudhuri 1976).
- 561* *M. leptotrichus* David, Narayanan, Rajasingh, *Polygonum runcinatum* (David *et al.* 1972).
- 562* *M. maculocarpus* Basu & Raychaudhuri, Grass (Basu & Raychaudhuri 1976).
- 563* *M. manoji* Basu & Raychaudhuri, Host plant unidentified (Basu & Raychaudhuri 1976).
- 564* *M. meghalayensis* Basu & Raychaudhuri, Host plant unidentified (Basu & Raychaudhuri 1976).
- 565* *M. mumecola* (Mats). *Prunus cornuta* (Chakrabarti *et al.* 1970).
- 566* *M. obtusirostris* David, Narayanan, Rajasingh, Grass, Bamboo, *Lindera* sp., (David *et al.* 1971a).
- 567 *M. ranunculinus* (Walker), Host plant unidentified (Ghosh *et al.* 1971c).
- 568 *M. sigesbeckicola* Strand, *Sigesbeckia orientalis*, *Eupatorium odoratum*, *Montana bippinnefida*, *Perilla* sp., (Raychaudhuri, PL 480 Tech. Rept., 1974).
- 569 *M. umefoliae* (Shinji) *Galium aparine*, *Rubia cordifolia* (Raychaudhuri, PL 480 Tech. Rept., 1974).
- 570 *Myzus* sp., Host plant unidentified (Ghosh *et al.* 1971d). Bh
- 571 *Myzus* sp., *Malus* sp., (Ghosh *et al.* 1973). N
- 572* *Nasonovia (Kakimia) rostrata* David & Hameed 1974).
- 573* *Neoacyrthosiphon rhododendri* Ghosh, Ghosh, Raychaudhuri, *Rhododendron arboreum* (Ghosh, M. R. *et al.* 1970).
- 574* *N. setosum* Hille Ris Lambers & Basu, *Pentapteryum* sp., (H. R. L. & Basu 1966 as *Ericolophium*).
- 575 *N. taiheisanum* (Takahashi), *Rhododendron* sp., (David & Rajasingh 1969 as *Ericolophium taiheisanum*).
- 576* *N. taihensanum ovalifolii* Ghosh, Ghosh, Raychaudhuri, *Pieris ovalifolia* (Ghosh, M. R. *et al.* 1970).
- 577 *N. (Pseudoacyrthosiphon) holstii* (Takahashi), *Rhododendron arboreum* (Ghosh & Raychaudhuri 1969).
- 578* *N. (Pseudoacyrthosiphon) nepalensis*, Ghosh, Basu, Raychaudhuri, *Rhododendron* sp., (Ghosh *et al.* 1973).
- 579* *N. (Pseudoacyrthosiphon) takahashii* Ghosh, *Anemone rivularis*, *Rhododendron* sp., (Ghosh 1969).
- 580* *Neobetulaphis trichosiphon* Quednau, *Alnus* sp., *Betula* sp., (Chakrabarti, S., in litt.). + S

- 581* *Nipponaphis holboelliae* Ghosh & Raychaudhuri, *Holboellia latifolia* (Ghosh & Raychaudhuri 1973; Ghosh *et al.* 1971b as *Nipponaphis* sp.)
- 582* *N. manoji*, Ghosh & Raychaudhuri, *Litsaea corymbosa*, *Litsaea polyanthi* (Ghosh & Raychaudhuri 1973; Ghosh *et al.* 1971b as *N. machilicola* Tak.).
- 583** *N. (Pseudonipponaphis) himalayensis* Ghosh & Raychaudhuri, *Litsaea polyantha*, *Machilus* sp., (Ghosh & Raychaudhuri 1973; Ghosh, Banerjee, Raychaudhuri 1971 as *machiliphaga*).
- 584* *N. (Pseudonipponaphis) querciphaga* Ghosh & Raychaudhuri, *Quercus* sp., (Ghosh & Raychaudhuri 1973; Ghosh, Banerjee & Raychaudhuri 1973 as *Nipponaphis* sp.). S
- 585 *Ovatus minutus* (v.d. Goot) *Leoneurus sibiricus* (Ghosh & Raychaudhuri 1972).
- 586* *Paczoskia budhium* Banerjee, Ghosh, Raychaudhuri, *Echinops cornigerus*, *Inula cappa*, *Anaphilis* sp., *Blumea* sp., (Banerjee *et al.* 1969).
- 587 *Paratrachosiphum javanicum* Raychaudhuri, *Alnus nepalensis* (Basu 1969).
- 588* *P. sensoriatum* Ghosh, Host plant unidentified (Ghosh 1974a).
- 589* *P. sikkimensis* Raychaudhuri, Ghosh, Banerjee, Ghosh, *Duabanga sonnarooides* (Raychaudhuri *et al.* 1973).
- 590 *Paratrachosiphum* sp., *Lindera* sp., (David & Rajasingh 1969).
- 591 *Paratrachosiphum* sp., *Styrax* sp., (Raychaudhuri, PL 480 Tech. Rept. 1974).
- 592 *Paratrachosiphum (Neoparatrachosiphum) flavum* (Takahashi), *Ficus* sp., *Glochidion* sp., *Quercus dealbata*, *Quercus* sp., (Raychaudhuri, PL 480 Tech. Rept., 1974).
- 593* *P. (Neoparatrachosiphum) raychaud-*
- hurii* Ghosh, *Alnus nepalensis*, *Buddleia* sp., *Quercus* sp., (Ghosh 1969).
- 594* *Pemphigus siphunculatus* Hille Ris Lambers, *Populus ciliata* (H.R.L. 1973). P
- 595** *Pentatrachosiphum luteum* Basu, *Litsaea polyantha*, *Buddleia* sp., *Lindera* sp., *Quercus* sp., (Basu 1969a).
- 596* *Periphyllus bengalensis* Ghosh & Raychaudhuri, *Acer* sp., (Ghosh & Raychaudhuri 1972a).
- 597* *P. californiensis darjeelingensis* David, Host plant unidentified (Hille Ris Lambers, in litt.).
- 598* *P. himalayensis* Chakrabarti, *Acer* sp., (Chakrabarti, S., in litt.).
- 599* *P. pusillus* Quednau & Chakrabarti, *Acer villosus* (Chakrabarti, in litt.).
- 600 *P. testudinacea* (Ferne), *Acer oblongum* (David *et al.* 1971).
- 601 *P. viridis* (Matsumura), *Acer villosus* (Chakrabarti, S., in litt.).
- 602 *Periphyllus* sp., Host plant unidentified (Ghosh *et al.* 1971b).
- 603 *Pleotrichophorus glandulosus* (Kalt.), *Artemisia* sp., (Ghosh *et al.* 1971b). Bh
- 604* *Prociphilus (Neoparacletus) ghanii* H.R.L., *Salix wallichiana* (Hille Ris Lambers 1973). P
- 605 *Prociphilus* sp., *A. Fraxinus floribunda* Ghosh *et al.* 1970).
- 606 *Prociphilus* sp., *B. Photinia notoniana* (Ghosh *et al.* 1970).
- 607 *Prociphilus* sp., Host plant unidentified (Chowdhuri *et al.* 1969).
- 608 *Pseudaphis abyssinica* Hille Ris Lambers, *Carex filicina* (Ghosh *et al.* 1971b).
- 609* *Pseudoastegopteryx himalayensis* Ghosh, Pal, Raychaudhuri, Bamboo (Ghosh, M.R. *et al.*, in press).
- 610 *Pseudoregma alexandri* (Takahashi),

- Bamboo (Basu 1969).
- 611 *Pseudotinocallis nigropunctata* (Tao), *Phyllanthus* sp., (A. K. Ghosh Coll.).
- 612 *Pterocomma?* *populifoliae* (Fitch), *Populus* sp., (Ghosh M. R. et al. 1970).
- 613* *Pyrolachnus imbricatus* David, Narayanan, Rajasingh, *Prunus cornuta* (David et al. 1971a).
- 614* *Rhopalosiphonius longisetosus* Chakrabarti & Ghosh, Host plant unidentified (Chakrabarti et al. 1974).
- 615 *Rhopalosiphonicus* sp., Host plant unidentified (L. K. Ghosh 1972b). Bh
- 616* *Rhopalosiphum yoksumi* Ghosh, Banerjee, Raychaudhuri, *Poa* sp., (Ghosh et al. 1971a). S
- 617* *Schizaphis hypersiphonata* Basu, *Cyperus exaltatus*, *Poa* sp., (Basu 1969). +S
- 618 *Schizaphis* sp., *Pyrus communis* (Sharma 1968). N
- 619** *Schizoneurella indica* Hille Ris Lambers, *Ulmus villosa*, *Ulmus* sp., (Hille Ris Lambers 1973). +P
- 620 *Semiaphis heraclei* (Takahashi), plant of Umbelliferae (Raychaudhuri, PL 480 Tech. Rept., 1974).
- 621 *Semiaphis* sp., Host plant unidentified (Chowdhuri et al. 1969).
- 622** *Seratocallis takahashi* Quednau & Chakrabarti, *Quercus* sp., (Chakrabarti, S., in litt.).
- 623* *Shivaphis bambusicola* (David, Rajasingh, Narayanan), *Bambusa* sp., (David et al. 1970b, as *Cranaphis bambusicola*).
- 624* *Sinomegoura photinae* Takahashi, *Photinia integrifolia* (Basu 1969).
- 625** *Subtakecallis brevisetosus* Raychaudhuri & Pal, Bamboo (Raychaudhuri & Pal 1974).
- 626* *S. pilosa* (David, Narayanan, Rajasingh), Bamboo (David, et al. 1970b, as *Cranaphis pilosa*; Raychaudhuri & Pal 1974).
- 627* *Taiwanaphis randiae* Ghosh, Banerjee, Raychaudhuri, *Randia* sp., (Ghosh et al. 1971).
- 628** *Taoia indica* (Ghosh & Raychaudhuri), *Alnus nepalensis*, *Betula alnoides* (Ghosh & Raychaudhuri 1972; David & Rajasingh 1969 as *Eucraphis chuan-sinensis*).
- 629* *Tetraneura* (*Tetraneurella*) *basui* Hille Ris Lambers, Grass (Hille Ris Lambers 1968-69).
- 630 *Thecabius* sp., Host plant unidentified (David et al. 1971).
- 631 *Thoracaphis* sp., *Quercus dealbata* (Ghosh & Raychaudhuri 1973).
- 632* *Tinocallis distincta* Ghosh, Ghosh, Raychaudhuri, *Duabanga* sp., (Ghosh, M.R. et al. 1970).
- 633* *Tinocallis himalayensis* Ghosh, Ghosh, Raychaudhuri, plant of Leguminosae (Ghosh et al. 1971c).
- 634* *T. indica* Chakrabarti, ? *Ulmus* sp., (Chakrabarti, S., in litt.).
- 635* *T. magnoliae* Ghosh & Raychaudhuri, *Magnolia* sp., (Ghosh & Raychaudhuri 1972).
- 636** *Tinocalloides montanus* Basu, *Prunus cerasus*, *Prunus persica*, *Prunus puddum* (Basu 1969; Kumar & Lavigne 1970 as *Tuberdefectus eastopi* nov. gen. et. sp.). +S
- 637 *Toxoptera schlingerii* Tao, *Ficus heterophylla*, *Ficus* sp., (Basu et al. 1974).
- 638* *Tricaudatus indicus* Ghosh, Basu, Raychaudhuri, *Prinsepia utilis* (Ghosh et al. 1969).
- 639* *Trichosiphonaphis gerberae* Ghosh & Raychaudhuri, *Gerbera macrophylla*, *Gerbera* sp., (Ghosh & Raychaudhuri

- 1972).
- 640 *T. lonicerae* (Uye), *Hedyotis scandens*, *Lonicera macrantha* (Basu et al. 1974).
- 641 *T. polygoniformosanus* (Takahashi), *Polygonum perfoliatum*, *Polygonum* sp., (Basu 1969).
- 642* *Tuberaphis indica* Ghosh, Ghosh, Raychaudhuri, Host plant unidentified (Ghosh M. R., et al. 1970 as *coreanus*; Ghosh et al. 1971b).
- 643 *Tubercephalus sasaki* (Matsumura), *Artemisia* sp., [Basu 1969, as *Trichosi-
phoniella sasaki* (Mats)]. + Bh
- 644* *Tuberculatus indicus* L. K. Ghosh, *Quercus* sp., (L. K. Ghosh 1972c).
- 645* *T. nervatus* Chakrabarti & Raychaudhuri, *Quercus* sp., (Chakrabarti, S., in litt.).
- 646 *T. paiki* Hille Ris Lambers., *Quercus* sp., (Chakrabarti, S., in litt.).
- 647** *Tuberolachnus* (*Tuberolachinella*) *sclerata* Hille Ris Lambers & Basu, *Eriobotrya petiolata* (Hille Ris Lambers & Basu 1966).
- 648* *Vesiculaphis kuwani* Ghosh, Basu, Raychaudhuri, *Lyonia ovalifolia* (Ghosh et al. 1970). + S
- 649* *V. polygonicola* (Basu), *Polygonum runcinatum* (Basu 1969a, as *Myzakkia polygonicola*).
- 650* *V. rhododendri* Ghosh & Raychaudhuri, *Rhododendron* sp., (Ghosh & Raychaudhuri 1972).
- 651* *V. verbasci* Chowdhuri, Basu, Chakrabarti, Raychaudhuri; *Polygonum alatum*; *Polygonum chinense*, *Polygonum runcinatum*, *Polygonum serrulatum*, *Verbascum thapsus* (Chowdhuri et al. 1969; Basu 1969 as *Myzakkia himalayensis* n. sp.) + S
- 652* *Wahlgreniella neoempetri* Ghosh, Basu, Raychaudhuri Host plant unidentified (Ghosh et al. 1971b). Bh
- 653* *Yamatocallis obscura* (Ghosh, Ghosh, Raychaudhuri), Host plant unidentified (Ghosh et al. 1970b as *Megalophyllaphis obscura*).

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